

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

#### SIGNATURE(S)

NOTE: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other documents.

Inventor's signature	Anthony	L.	CERRONE
Residence 51 Kneeland Road, New Haven, Connecticut USA  Post Office Address 51 Kneeland Road, New Haven, Connecticut USA  Full name of second joint inventor, if any  Edward J. LAKATOS  (GIVEN NAME) (MICDLE INITIAL OR NAME) FAMILY (OR LAST NOSE)  Inventor's signature Edward I. Fabates  Date 9-1/-2000 Country of Citizenship USA  Residence 56 Ridgedale Road, Bethel, Connecticut 06801 USA  Post Office Address 56 Ridgedale Road, Bethel, Connecticut 06801 USA  Full name of third joint inventor, if any  Michael R Gambini FAMILY (OR LAST NAME)  Inventor's signature Country of Citizenship USA  Residence 181 Josiesing Road, Monroe, Connecticut 06468 USA	(GIVEN NAME)	(MICOLE INITIAL OF PAME)	FAMILY (OR LAST MAN
Residence 51 Kneeland Road, New Haven, Connecticut USA  Post Office Address 51 Kneeland Road, New Haven, Connecticut USA  Full name of second joint inventor, if any  Edward J. LAKATOS  (GIVEN NAME) (MICOLE INITIAL OR NAME) FAMILY (OR LAST NAME)  Inventor's signature Edward J. Fahatos  Date 9-1/-2000 Country of Citizenship USA  Residence 56 Ridgedale Road, Bethel, Connecticut 06801 USA  Post Office Address 56 Ridgedale Road, Bethel, Connecticut 06801 USA  Full name of third joint inventor, if any  Michael Road Road Road Road Road Road Road Road	Inventor's signature		<del></del>
Full name of second joint inventor, if any  Edward  (GNEN NAME)  Inventor's signature  Date 9-11-2000  Country of Citizenship  Post Office Address 56 Ridgedale Road, Bethel, Connecticut 06801  Full name of third joint inventor, if any  Michael  (GIVEN NAME)  (MICOLE INITIAL OR NAME)  FAMILY (OR DAST NAME)  Inventor's signature  Date  Country of Citizenship  USA  Residence  181 Josiesing Road, Monroe, Connecticut 06468  USA	Date	Country of Citizenship	USA
Full name of second joint inventor, if any  Edward  J. LAKATOS  (GIVEN NAME)  Inventor's signature  Date 9-11-2000  Country of Citizenship  Post Office Address 56 Ridgedale Road, Bethel, Connecticut 06801  Full name of third joint inventor, if any  Michael  (GIVEN NAME)  (GIVEN NAM	Residence 51 Kneeland	1 Road, New Haven, Connecticut U	SA ( I)
Country of Citizenship   Country of Citizenship   USA	Post Office Address	ol Kneeland Road, New Haven, Conn	ecticut USA
Country of Citizenship   Country of Citizenship   USA			
Inventor's signature   Country of Citizenship   USA			
Inventor's signature	•		
Inventor's signature	F 4		
Inventor's signature    Country of Citizenship   USA		int inventor, if any	
Inventor's signature  Date 9-11-2000 Country of Citizenship  Residence 56 Ridgedale Road, Bethel, Connecticut 06801 USA  Post Office Address 56 Ridgedale Road, Bethel, Connecticut 06801 USA  Full name of third joint inventor, if any  Michael R Gambini  (GIVEN NAME) (MICOLE INITIAL OR NAME) FAMILY (OR DEST NAME)  Date Country of Citizenship USA  Residence 181 Josiesing Road, Monroe, Connecticut 06468 USA		J.	LAKATOS
Post Office Address 56 Ridgedale Road, Bethel, Connecticut 06801 USA  Full name of third joint inventor, if any  Michael Road Road Road Road Road Road Road Road	· · · · · · · · · · · · · · · · · · ·		TAMILT (OR LAST NOW
Residence 56 Ridgedale Road, Bethel, Connecticut 06801 USA  Post Office Address 56 Ridgedale Road, Bethel, Connecticut 06801 USA  Full name of third joint inventor, if any  Michael R Gambini (GIVEN NAME) (MICOLE INITIAL OR NAME) FAMILY (OR DEST NAME)  Inventor's signature Country of Citizenship USA  Residence 181 Josiesing Road, Monroe, Connecticut 06468 USA			alos
Full name of third joint inventor, if any  Michael  (OIVEN NAME)  MICOLE INITIAL OR NAME)  Country of Citizenship  Country of Citizenship  Residence  181 Josiesing Road, Monroe, Connecticut 06468  USA  USA			· — — — — — — — — — — — — — — — — — — —
Full name of third joint inventor, if any  Michael R Gambini  (GIVEN NAME) (MICOLE INITIAL OR NAME) FAMILY (OR DAST NAME)  Inventor's signature Country of Citizenship USA  Residence 181 Josiesing Road, Monroe, Connecticut 06468 USA			
Michael R Gambini (GIVEN NAME) (MICOLE INITIAL OR NAME) FAMILY (OR DIST NAME)  Inventor's signature Country of Citizenship USA  Residence 181 Josiesing Road, Monroe, Connecticut 06468 USA	Post Office Address	56 Ridgedale Road, Bethel, Conne	cticut 06801 USA
Michael R Gambini (GIVEN NAME) (MICOLE INITIAL OR NAME) FAMILY (OR DIST NAME)  Inventor's signature Country of Citizenship USA  Residence 181 Josiesing Road, Monroe, Connecticut 06468 USA	<del></del>		
Michael R Gambini (diven NAME) (MIEDLE INITIAL OR NAME) FAMILY (OR DIST NAME)  Inventor's signature Country of Citizenship USA  Residence 181 Josiesing Road, Monroe, Connecticut 06468 USA			
Michael R Gambini (QIVEN NAME) (MICOLE INITIAL OR NAME) FAMILY (OR DIST NAME)  Inventor's signature Country of Citizenship USA  Residence 181 Josiesing Road, Monroe, Connecticut 06468 USA			
Michael R Gambini (QIVEN NAME) (MICOLE INITIAL OR NAME) FAMILY (OR DIST NAME)  Inventor's signature Country of Citizenship USA  Residence 181 Josiesing Road, Monroe, Connecticut 06468 USA	Full name of third injus	incontra Maria	
(diven NAME) (MIDDLE INITIAL OR NAME)  Inventor's signature Country of Citizenship USA  Residence 181 Josiesing Road, Monroe, Connecticut 06468 USA		inventor, if any	
Inventor's signature Country of CitizenshipUSA  Residence181 Josiesing Road, Monroe, Connecticut 06468 USA		MICOLS VICTAL OR MANS	**************************************
Date Country of Citizenship USA  Residence181 Josiesing Road, Monroe, Connecticut 06468 USA	,	(moor initial of four)	PAMILT ON DOT NOM
Residence 181 Josiesing Road, Monroe, Connecticut 06468 USA	•		IICA
	Date	Country of Citizenship	ASO USA
	Hesidence _ 101 0051es	ing Road, Monroe, Connecticut Ub	400 USA C 1

(Declaration and Power of Attorney [1-1]—page 5 of 7)

#### COMBINED DECLARATION AND POWER OF ATTORNEY

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL, CONTINUATION, OR C-I-P)

As a below named inventor, I hereby declare that:

#### TYPE OF DECLARATION

his declaration is of the following type:
(check one applicable item below)
original.
design.
supplemental.
NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do <u>not</u> check next item; check appropriate one of last three items.
mational stage of PCT.
NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL CONTINUATION OR C-I-P.
NOTE: See 37 C.F.R. § 1.63(d) (continued prosecution application) for use of a prior nonprovisional application declaration in the continuation or divisional application being filed on behalf of the same or fewer of the inventors named in the prior application.
☐ divisional.
continuation.
NOTE: Where an application discloses and claims subject matter not disclosed in the prior application, or a continuation or divisional application names an inventor not named in the prior application, a continuation-in-part application must be filed under 37 C.F.R. § 1.53(b) (application filing requirements—nonprovisional application).
☐ continuation-in-part (C-I-P).
INVENTORSHIP IDENTIFICATION

WARNING: If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

#### TITLE OF INVENTION

INSTRUMENT F	OR	MONITORING	POLYMERASE	CHAIN	REACTION	0F	DNA
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the specification of which:

	(complete (a), (b), or (c))
(a) (	
NOTE:	"The following combinations of information supplied in an eath or declaration filed on the application filing date with a specification are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:
	"(1) name of inventor(s), and reference to an attached specification which is both attached to the cath or declaration at the time of execution and submitted with the cath or declaration on filing;
	*(2) name of inventor(s), and attorney docket number which was on the specification as filed or
	"(2) name of inventor(s), and title which was on the specification as filed."
	Notice of July 13, 1995 (1177 O.G. 60).
(p) [	or, as _ Serial No. 0 /
	and was amended on (if applicable).
	Amendments filed after the original papers are deposited with the PTO that contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.
	"The following combinations of information supplied in an eath or declaration filed after the filing date are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:
	"(1) name of inventor(s), and application number (consisting of the series code and the serial number, e.g.,08/123,456);
	"(2) name of inventor(s), serial number and filing date;
	(C) name of inventor(s) and attorney docket number which was on the specification as filed;
	"(4) name of inventor(s), title which was on the specification as filed and filing date;
	"(5) name of inventor(s), title which was on the specification as filed and reference to an attached specification which is both attached to the cath or declaration at the time of execution and submitted with the oath or declaration; or
	"(6) name of inventor(s), title which was on the specification as filed and accompanied by a cover letter accurately identifying the application for which it was intended by either the application number (consisting of the series code and the serial number, e.g., 08/123, 456), or serial number and filing date. Absent any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the inventor(s) executed by signing the cath or declaration."
	Notice of July 13, 1995 (1177 O.G. 60).
(c) (X)	was described and claimed in PCT International Application No. PCT/US99/11088, filed on17 May 1999
	amended under PCT Adicio 10 as

amended under PCT Article 19 on \_\_\_\_\_\_ (if any).

(Ceclaration and Power of Attorney [1-1]—page 2 of 7)



(complete the following where a supplemental declaration is being submitted)
☐ I hereby declare that the subject matter of the
☐ attached amendment
amendment filed on
was part of my/our invention and was invented before the filing date of the original application, above-identified, for such invention.
ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.
I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.55,
(also check the following items, if desired)
and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and
in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 CFR 1.98.
PRIORITY CLAIM (35 U.S.C. §§ 119(a)-(d))
NOTE: The claim to priority need be in no special form and may be made by the attorney or agent if the foreign application is referred to in the eath or declaration as required by § 1.63. The claim for priority and the certified copy of the foreign application specified in 35 U.S.C. 119(b) must be filed in the case of an interference (§ 1.630), when necessary to overcome the date of a reference relied upon by the examiner, when specifically required by the examiner, and in all other situations, before the patent is granted. If the claim for priority or the certified copy of the foreign application is filed after the date the issue fee is paid, it must be accompanied by a petition requesting entry and by the fee set forth in § 1.17(). If the certified copy is not in the English language, a translation need not be filed except in the case of interference; or when necessary to overcome the date of a reference relied upon by the examiner, or when specifically required by the examiner, in which event an English language translation must be filed together with a statement that the translation of the certified copy is accurate. 37 C.F.R.
I hereby claim foreign priority benefits under Title 35, United States Code, §§ 119(a)–(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.
(complete (d) or (e))
(d)  no such applications have been filed.
(e) 🗵 such applications have been filed as follows
NOTE: Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.
Control and D.

(Declaration and Power of Attorney [1-1]—page 3 of 7)

# PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR T THIS APPLICATION = AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY UNDER 3	CLAIMED 7 USC 119
			☐ YES	NO 🗆
	<u> </u>		☐ YES	ио □
			☐ YES	NO []
			☐ YES	ио □
	•		☐ YES	NO 🗆

### CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) (34 U.S.C. § 119(e))

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

PROVISIONAL APPLICATION NUMBER	FILING DATE
60 / 085,765 60 / 092,784	16 May 1998
	14 July 1998

### CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S) UNDER 35 U.S.C. 120

The claim for the benefit of any such applications are set attached ADDED PAGES TO COMBINED DECLARATION AND ATTORNEY FOR DIVISIONAL, CONTINUATION OR CONTINUATION (C-I-P) APPLICATION.	. =
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#### ALL FORE APPLICATION(S), IF ANY, FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

PCT/US99/11088 filed 17 May 1999

HC D						
US Provisional	Application	No.	60/085.765	filad	16 May	1000
			00,000,700	11160	TO may	1330

US Provisional Application No. 60/092,784 filed 14 July 1998

NOTE: If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR C-I-P APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. § 120.

#### POWER OF ATTORNEY

I hereby appoint the following practitioner(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

(list name and registration number)

Clarence A. Green (24,622) Mark F. Harrington (31,686)  Janik Marcovici (42,841) (check the following)	David Aker (29,277)  ang item, if applicable)
<ul> <li>I hereby appoint the practitioner vided below to prosecute this a Patent and Trademark Office con</li> </ul>	(s) associated with the Customer Number pro- pplication and to transact all business in the nnected therewith.
<ul> <li>Attached, as part of this declarat</li> </ul>	ion and power of attomey, is the authorization (s) to accept and follow instructions from my
SEND CORRESPONDENCE TO	DIRECT TELEPHONE CALLS TO: (Name and telephone number)
Clarence A. Green PERMAN & GREEN, LLP 425 Post Road Fairfield, CT 06430	Clarence A. Green (203) 259-1800
Customer Number2512	

#### COMBINED DECLARATION AND POWER OF ATTORNEY

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL, CONTINUATION, OR C-I-P)

As a below named inventor, I hereby declare that:
TYPE OF DECLARATION
This declaration is of the following type:
(check one applicable item below)
original.
design.
supplemental.
NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items.
☐ national stage of PCT.
NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIMISIONAL CONTINUATION OR C-I-P.
NOTE: See 37 C.F.R. § 1.63(d) (continued prosecution application) for use of a prior nonprovisional application declaration in the continuation or divisional application being filed on behalf of the same or fewer of the inventors named in the prior application.
☐ divisional.
☐ continuation.
NOTE: Where an application discloses and claims subject matter not disclosed in the prior application, or a continuation or divisional application names an inventor not named in the prior application, a continuation-in-part application must be filed under 37 C.F.R. § 1.53(b) (application filing requirements—nonprovisional application).
☐ continuation-in-part (C-I-P).
INVENTORSHIP IDENTIFICATION
WARNING: If the inventors are each not the inventors of all the electric and analysis of the first of the fir

the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

#### TITLE OF INVENTION



the specification of which:

(complete (a), (b), or (c))

(a) 🔲 is attached hereto.	
NOTE: "The following combinations of information supplied in an eath or declaration filed on the application are acceptable as minimums for identifying a specification and compliments and one of the items below will be accepted as complying with the identification requirements."	atio and ant
"(1) name of inventor(s), and reference to an attached specification which is both attact to the cath or declaration at the time of execution and submitted with the cath or declara-	che atto
"(2) name of inventor(s), and attorney docket number which was on the specification as to	file
*(3) name of inventor(s), and title which was on the specification as filed.** Notice of July 13, 1995 (1177 O.G. 60).	
(b) was filed on, as [ Serial No. 0 /	
and was amended on (if applicable).	
NOTE: Amendments filed after the original papers are deposited with the PTO that contain new matter not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are the amendments claiming matter not encompassed in the original statement of invention or claims. 37 CFR 1.67.	lvec
NOTE: "The following combinations of information supplied in an eath or declaration filed after the filing of are acceptable as minimums for identifying a specification and compliance with any one of the ite below will be accepted as complying with the identification requirement of 37 CFR 1.63:	iare ims
"(1) name of inventor(s), and application number (consisting of the series code and the series);	ma
(2) name of inventor(s), serial number and filling date;	
*(3) name of inventor(s) and attorney docket number which was on the specification as file	land.
"(4) name of inventor(s), title which was on the specification as filed and filing date;	œ,
"(5) name of inventor(s), title which was on the specification as filed and reference to attached specification which is both attached to the cath or declaration at the time of executor and submitted with the oath or declaration; or	an icn
"(6) name of inventor(s), title which was on the specification as filed and accompanied a cover letter accurately identifying the application for which it was intended by either tapplication number (consisting of the series code and the serial number, e.g.,08/123,456), serial number and filing date. Absent any statement(s) to the contrary, it will be presumed the application filed in the PTO is the application which the inventor(s) executed by signification or declaration."	the cr
Notice of July 13, 1995 (1177 O.G. 60).	
(c) XI was described and claimed in PCT International Application No. PCT/US99/11088, filed on17 May 1999	0.
amended under PCT Article 19 on (if any).	

(Cectaration and Power of Attorney [1-1]—page 2 of 7)

### PLEMENTAL DECLARATION (37 C.F.R. § 1.67(b))

1.67(b))
(complete the following where a supplemental declaration is being submitted)
☐ I hereby declare that the subject matter of the
attached amendment
amendment filed on
was part of my/our invention and was invented before the filing date of the original application, above-identified, for such invention.
ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.
I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56,
(also check the following items, if desired)
and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and
in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 CFR 1.98.
PRIORITY CLAIM (35 U.S.C. §§ 119(a)-(d))
NOTE: "The claim to priority need be in no special form and may be made by the attorney or agent if the foreign application is referred to in the oath or declaration as required by § 1.63. The claim for priority and the cartified copy of the foreign application specified in 35 U.S.C. 119(b) must be filed in the case of an interference (§ 1.630), when necessary to overcome the date of a reference relied upon by the examiner, when specifically required by the examiner, and in all other situations, before the patent is granted. If the claim for priority or the certified copy of the foreign application is filed after the date the issue fee is paid, it must be accompanied by a petition requesting entry and by the fee set forth in § 1.17(i). If the certified copy is not in the English language, a translation need not be filed except in the case of interference; or when necessary to overcome the date of a reference relied upon by the examiner; or when specifically required by the examiner, in which event an English language translation must be filed together with a statement that the translation of the certified copy is accurate," 37 C.F.R.
I hereby claim foreign priority benefits under Title 35, United States Code, §§ 119(a)–(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.
(complete (d) or (e))
(d)  no such applications have been filed.
(e) 🖾 such applications have been filed as follows.
NOTE: Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.
(Declaration and Power of Attomey [1-1]—cane 3 of 7)

# PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION = AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)

COUNTRY (CO.				•
COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY UNDER 3	CLAIMED 7 USC 119
			☐ YES	NO 🗆
			☐ YES	ио □
			☐ YES	NO 🗆
			☐ YES	ио □
	•		☐ YES	NO []

### CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) (34 U.S.C. § 119(e))

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

ROVISIONAL APPLICATION NUMBER	FILING DATE
60 / 085,765 60 / 092,784	16 May 1998
//	14 July 1998

### CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S) UNDER 35 U.S.C. 120

	The claim for the benefit of any such applications are set forth in the attached ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN PART (C-I-P) APPLICATION.
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#### APPLICATION(S), IF ANY, FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

PCT/US99/11088 filed 17 May 1999

US	Provisional	Application	No.	60/085,765	filed	16	May 1	998
US	Provisional	Application	No.	60/092,784	filed	14	July	1998

NOTE: If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation, divisional, or continuation-in-part, then also complete ACDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL CONTINUATION OR C-I-P APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. § 120.

#### POWER OF ATTORNEY

I hereby appoint the following practitioner(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

(list name and r	registration number)
en (24,622) ton (31,686) (42,841) (check the followin	David Aker (29,277)  ng item, if applicable)
are a prosecute tule s	(s) associated with the Customer Number pro- application and to transact all business in the nnected therewith.
d, as part of this declarat	tion and power of attomey, is the authorization r(s) to accept and follow instructions from my
DENCE TO	DIRECT TELEPHONE CALLS TO: (Name and telephone number)
P D	Clarence A. Green (203) 259-1800
er Number2512	· .
	ton (24,622) ton (31,686) (42,841) (check the following appoint the practitioner telow to prosecute this a and Trademark Office co d, as part of this declarate above-named practitioner intative(s).  DENCE TO

(Declaration and Power of Attorney [1-1]—page 5 of 7)

#### DECLARATION

I hereb are that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

#### SIGNATURE(S)

documents.	te family (or last) name, as it should accear	on the ming receipt and all o
Full name of sole or fin	st inventor	
Anthony	L.	CERRONE
(GIVEN NAME)	(MICOLE INITIAL OR NAME)	CERRONE FAMILY (OR LAST NAME)
Inventor's signature		,
	Country of Citizenship	USA
Residence 51 Kneeland	Road, New Haven, Connecticut USA	
Post Office Address 5	1 Kneeland Road, New Haven, Connect	icut IICA
,	ter in the connect	TCUE USA
		<del></del>
<b>-</b>		
Full name of second joi	nt inventor, if any	
Edward	J	LAKATOS
(GIVEN NAME)	(MICCLE INITIAL OR NAME)	FAMILY (OR LAST NAME)
Date	Country of Citizenship	USA
Residence <u>56 Ridgedale</u>	Road, Bethel, Connecticut 06801	JSA
	6 Ridgedale Road, Bethel, Connection	
	octale Confection	III OOOOT USA
	•	
full name of third joint i	inventor, if any	
•		
Michael	R	Gambini
Michael (GIVEN NAME)	R. (MICOLE INITIAL OR NAME)	Gambini FAMILY (OR LAST NAME)
Michael (GIVEN NAME) nventor's signature	· · · · · · · · · · · · · · · · · · ·	FAMILY (OR LAST NAME)
Michael (diven NAME)  nventor's signature  Date	Country of Citizenship	FAMILY (OR LAST NAME) USA
Michael (GIVEN NAME)  nventor's signature  Date	· · · · · · · · · · · · · · · · · · ·	FAMILY (OR LAST NAME) USA
Michael (GIVEN NAME)  nventor's signature  Date Residence	Country of Citizenship	USA USA

(	<b>D</b> eck			followi declara	ided (ion)	page(s)

<u>~</u>	Signature for fourth and subsequent joint inventors. Number of pages added
	• • •
	Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added
	• • •
	Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added
	• • •
	Added page for <b>signature</b> by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47)
	• • •
	Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.  □ Number of pages added
	• • •
	Authorization of practitioner(s) to accept and follow instructions from representative.
	• • •
t	(if no further pages form a part of this Declaration, hen end this Declaration with this page and check the following item)
	☐ This declaration ends with this page.

(Declaration and Power of Attorney [1-1]—page 7 of 7)

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<u>~</u>	Signature for fourth and subsequent joint inventors. Number of pages added
	• • •
	Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added
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ti	(if no further pages form a part of this Declaration, hen end this Declaration with this page and check the following item)
	☐ This declaration ends with this page.

(Declaration and Power of Attorney [1-1]—page 7 of 7)

## ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR SIGNATURE BY FOURTH AND SUBSEQUENT INVENTORS

,	Full name of fourth joint	inventor, if any	
	Eugene_	F.	YOUNG
	GIVEN NAME	MIDDLE INITIAL OR NAME	FAMILY (OR LAST NAME)
	Inventor's signature		
	Date	Country of Citizenship	SA
	Residence 802 Balboa L	ane, Foster City, California 94404	USA
	Post Office Address80	2 Balboa Lane, Foster City, Californi	a 94404 USA
	Full name of fifth joint inve	entor, if any	
1/>	Susan	Atwood	STONE ***
<i>(</i> λ <sup>'</sup> )	GIVEN NAME	MIDOLE INTIAL OR NAME	FAMILY (OR LAST NAME)
•	Inventor's signature		
	Date X/YM. 24, 20	OO L Country of Citizenship	USA
	Residence 31 Bitterswee		JSA
	Post Office Address 31	Bittersweet Lane, Charlotte, Vermont	05445 USA
**1	*Co-Executrix for the Esta	te of John G. Atwood - deceased -las	residing at
40	Country of Citize	Ng Connecticut 06896 ⊇nship of John G. Atwood	USA
Ŋ	rull name of Titthjoint inve	entor, if any	
	Judith GNEN NAME	MIDOLE INITIAL OR NAME	Atwood ***
r	inventor's signature	MIDDLE INITIAL OR NAME	FAMILY (OF LAST NAME)
	Oate	Country of Citizenship USA	
i	Residence <u>149 Limekiln R</u>	oad, Redding, Connecticut 06896	
1	Post Office Address 149 L	imphiln Poad Podding Communic	06896
. ***	co-executrix for the Esta	te of John G. Atwood - deceased 43	st residing at
	*** Function Man Venalli	g, Connecticut 06896 enship of John G. Atwood _	USA

### COMBINED DECLARATION AND POWER OF ATTORNEY

(ORIGINAL DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL, CONTINUATION, OR C-1-7)

As a below named inventor, I hereby declare that:

and interior, Thereby Ceciare that
TYPE OF DECLARATION
This declaration is of the following type:
(check one applicable item below)
onginal.
design.
☐ supplemental.
NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items.  The matienal stace of PCT.
Mational stage of PCT.  NOTE: If one of the following 3 items apply, then complete and also actach ADDED PAGES FOR DMSIONAL CONTINUATION OR C-I-P.
NOTE: See 37 C.F.R. § 1.63(d) (continued presecution application) for use of a prior nonprovisional application declaration in the continuation or divisional application being filed on behalf of the same or lewer of the inventus named in the prior application.
☐ divisional.
a continuation.
NOTE: Where an application discloses and claims subject matter not disclosed in the prior application, or a continuation or divisional application names an inventor not named in the prior application, a continuation-in-part application must be filed under 37 C.F.R. § 1.53(b) (application filing requirements — nonprevisional application).
☐ continuation-in-part (C-I-P).
INVENTORSHIP IDENTIFICATION
WARNING: If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.
believe that I am the original, first and sole inventor (if only one agent).

al, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

#### TITLE OF INVENTION

INSTRUMENT FOR MONITORING	POLYMERASE CHA	IN REACTION OF	F , DNA

(Declaration and Power of Attorney (1-1)—page 1 of 7)

(Ceclaration and Power of Attorney [1-1]—cage 2 of 7]

the specimeation of which:

(complete (a), (b), or (c))

	(2), (3), (7)
(	a) 🗍 is attached hereto.
	OTc: The following combinations of information supplied in an eath or declaration filed on the application filling date with a specification are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:
	"(1) name of inventor(s), and reference to an attached specification which is both attached to the cath or declaration at the time of execution and submitted with the cath or declaration on filing;
	'(2) name of inventor(s), and attemey docket number which was on the specification as illed; or
•	*(3) name of inventor(s), and tide which was on the specification as filed.*  Notice of July 13, 1995 (1177 O.G. 60).
(ち)	□ was filed on
,-,	cr 🗆, as 🖸 Serial No. 0 /
	and americed cu
	not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.
NOT	The following combinations of information supplied in an each or declaration filed after the filing date are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37,000 and
	number, e.g.,08/123,456);
	(2) name of inventor(s), serial number and filing date;
	(3) name of inventor(s) and attorney docket number which was on the exercises:
	arranger(s), the writer was on the specification as fled and from
	"(5) name of inventor(s), title which was on the specification as filed and reference to an attached specification which is both attached to the cath or declaration at the time of execution and submitted with the oath or declaration; or
	"(6) name of inventor(s), title which was on the specification as filed and accompanied by a cover letter accurately identifying the application for which it was intended by either the application number (consisting of the series code and the serial number; e.g., 08/123, 456), or serial number and filing date. Absent any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the inventor(s) executed by signing the cath or declaration."
	Natice of July 13, 1995 (1177 O.G. 60).
(c) (X	Was described
	PCT/US99/11088 and claimed in PCT International Application No.  17 May 1999 and as amended under PCT Article 19 on (if any).
	· , · G.///.
	·

	1 -1 11113 1101(0))
(complete the following when a	
(complete the following where a supplementa	U declaration is being submitted
	is being submitted)
☐ I hereby declare that the	

]	I hereby declare that the subject matter of the	g commed)
	attached amendment	
	amendment filed on	
t	of my/our invention and was invented before the filing	a date of the original

was part application, above-identified, for such invention. efore the filing date of the original

### ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56,

(also check the following items, if desired)

- and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent,
  - in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 CFR 1.98.

#### PRIORITY CLAIM (35 U.S.C. §§ 119(a)-(d))

NOTE: The claim to priority need be in no special form and may be made by the attorney or agent if the foreign application is referred to in the oath or declaration as required by § 1.63. The claim for priority and the cardified copy of the foreign application specified in 35 U.S.C. 119(b) must be filed in the case of an interference (§ 1.630), when necessary to overcome the date of a reference relied upon by the examiner, when specifically required by the examiner, and in all other situations, before the patent is granted. If the claim for priority or the certified copy of the foreign application is filed after the data the issue fee is paid, it must be accompanied by a petition requesting entry and by the fee set forth in § 1.17(). If the certified copy is not in the English language, a translation need not be filed except in the case of interference; or when necessary to overcome the date of a reference relied upon by the examiner, or when specifically required by the examiner, in which event an English language translation must be filed together with a statement that the translation of the cartified copy is accurate." 37 C.F.R.

I hereby claim foreign priority benefits under Title 35, United States Code, §§ 119(a)–(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

- no such applications have been filed.
- such applications have been filed as follows.

NOTE: Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

(Declaration and Power of Attorney (1-1)—page 3 of 7)

# PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)-

2211			3	141-
COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY UNDER 37	CLAIMED USC 119
			☐ YES	но 🗆
.		•	O YES	но ⊡
-			☐ YES	ио 🗆
			C YES	ио 🗆
	·		C YES	NO []

## CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) (34 U.S.C. § 119(e))

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

PROVISIONAL APPLICATION NUMBER	
44	FILING DATE
60 / 085,765	10.11
60 , 092,784	16 May 1998
	14 July 1998
/	

### CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S). UNDER 35 U.S.C. 120

	The claim for the benefit of any such applications are set forth in the attached ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL. CONTINUATION OR CONTINUATION-IN PART (C-I-P) APPLICATION.
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(Cectaration and Power of Attorney (1-1)—page 4 of 7)

ALL FORM APPLICATION(S) IF A	W
(6 MONTHS FOR DESIGN) PRIO	NY, FILED MORE THAN 12 MONTHS
PCT/US99/11088 filed 17 May 1000	H TO THIS U.S. APPLICATION

US Provisional Application No. 60/085,765 filed 16 May 1998

US Provisional Application No. 60/092,784 filed 14 July 1998

NOTE: If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL CONTINUATION OR C-I-P APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. § 120.

#### POWER OF ATTORNEY

I hereby appoint the following practitioner(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

(list name and registration number)

	**		·/
Clarence A. Green Mark F. Harrington Janik Marcovici	(24,622) (31,686) (42,841)	David Aker	(29,277)
	(check the following	item, if applical	ble)
Patent and 7	Frademark Office conne	ected therewith	
of the above representative		to accept and	attomey, is the authorization follow instructions from in
SEND CORRESPONDENCE	e(s).	DIREC	follow instructions from more than the following from the following fr
SEND CORRESPONDENCE	e(s).	OIREC (Name	TOLIOW INSTRUCTIONS from IT

(Declaration and Power of Attorney [1-1]—sage 5 of 7)

I here clare that all statements made herein of new non-wholedge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

#### SIGNATURE(S)

Full name of sole or fire	st inventor	
Anthony	(MICCLE INITIAL OR NAME)	CERRONE
		FAMILY (OR LAST MANE)
Inventor's signature		
Date	Country of Citizenship	USA
Residence 51 Kneeland	Road, New Haven, Connecticut USA	
Post Office Address5	l Kneeland Road, New Haven, Connect	icut USA
full name of second join	nt inventor, if any	
Edward	J. (MICOLE INITIAL OR NAME)	LAKATOS
(GIVEN NAME)	(MICOLE INITIAL OR NAME)	FAMILY FOR LAST NAME
)ate	Country of Citizenship	USA ·
lesidence <u>56 Ridgedale</u>	Road, Bethel, Connecticut 06801	JSA
	S Ridgedale Road, Bethel, Connectic	
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ull name of third joint in		
MICHAEL (GIVEN NAME)	(MICOLE INITIAL OR NAME)	Gambini
(****		FAMILY FOR LAST NAMES
vantoria ain-abas		
ventor's signature		1154
ate	Country of Citizenship	- VJA
ate	Country of Citizenship g Road, Monroe, Connecticut 06468	USA

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27	Signature for fourth and subsequent joint inventors. Number of pages added
	• • •
0	Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added
	Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added
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	Added page for signature by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47)
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th	(if no further pages form a part of this Declaration, en end this Declaration with this page and check the following item)
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### ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR SIGNATURE BY FOURTH AND SUBSEQUENT INVENTORS

Full name of fourth joi	nt inventor, if any	
Eugene	F	YOUNG
GIVEN NAME	MIDDLE INITIAL OR NAME	FAMILY (OR LAST NAME)
Inventor's signature _		
Date	Country of Citizenship	USA
Residence 802 8albo	a Lane, Foster City, California 944	04 USA
Post Office Address	802 Balboa Lane, Foster City, Califo	rnia 94404 USA
• • •		
Full name of fifth joint	inventor if any	
Susan	Atwood	STONE ***
GIVEN NAME	MIDOLE INITIAL OR NAME	FAMILY (OR LAST NAME)
Inventor's signature _		
Date	Country of Citizenship	USA
	weet Lane, Charlotte, Vermont 05445	USA
Past Office Address	31 Bittersweet Lane, Charlotte, Vermo	ont 05445 USA
•	state of John G. Atwood - deceased -	
	dding, Connecticut 06896 Lzenship of John G. Atwoo	
Full name of fifthjoint	inventor, if any	
Judith	K. MIODLE INITIAL OR NAME	Atwood ***
GIVEN NAME		Family (OR Last Name)
	- Judin to Atwood	
Date X 11- 26-20	Country of Citizenship	JSA
Residence <u>149 Limeki I</u>	n Road, Redding, Connecticut 06896	
Post Office Address <u>14</u>	9 Limekiln Road, Redding, Connecticu	it 06896
Co-Executrix for the E	state of John G. Atwood - deceased -	-last residing at
Country of Citi	ding, Connecticut 06896 Lzenship of John G. Atwoo	d USA .